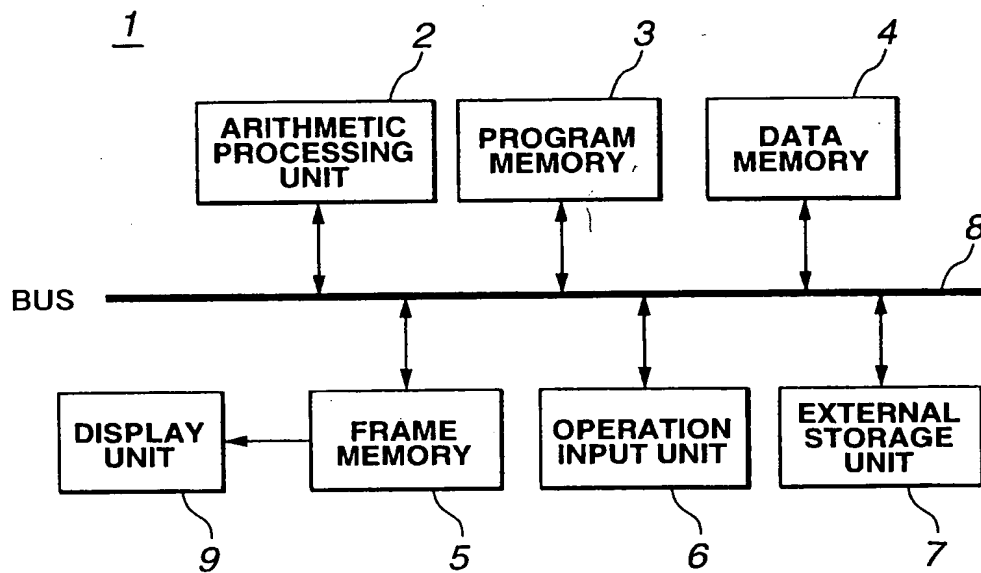
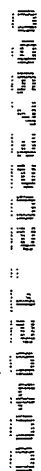
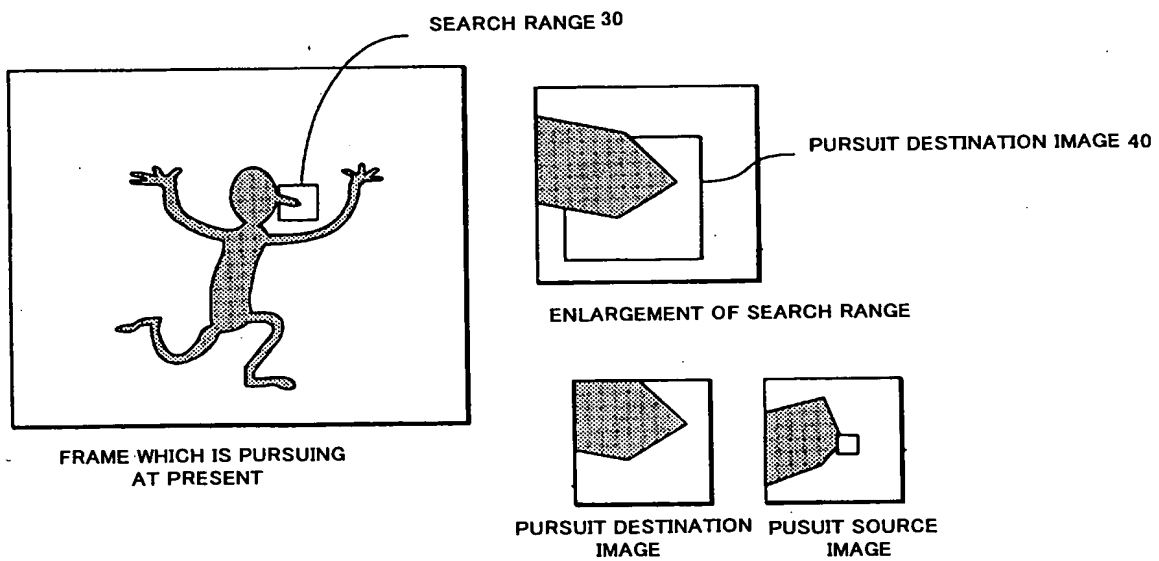
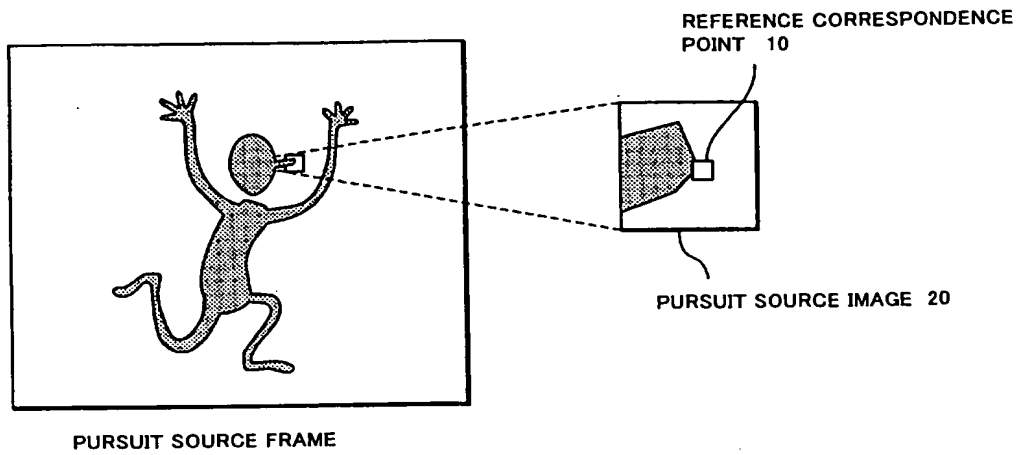


[FIG. 1]

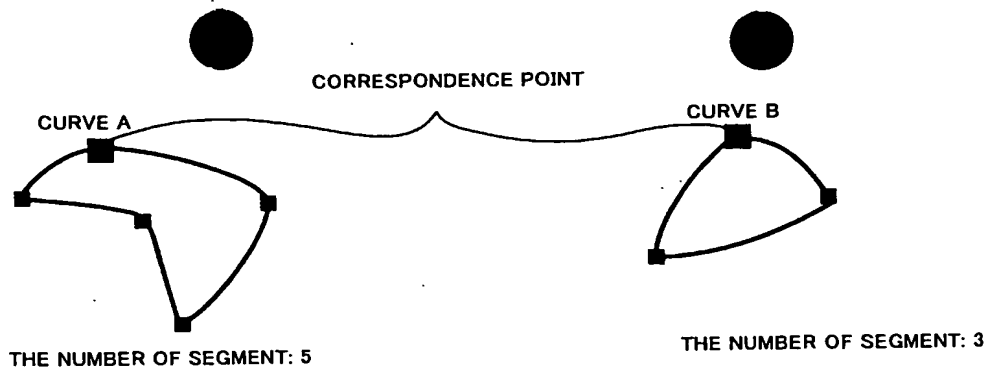




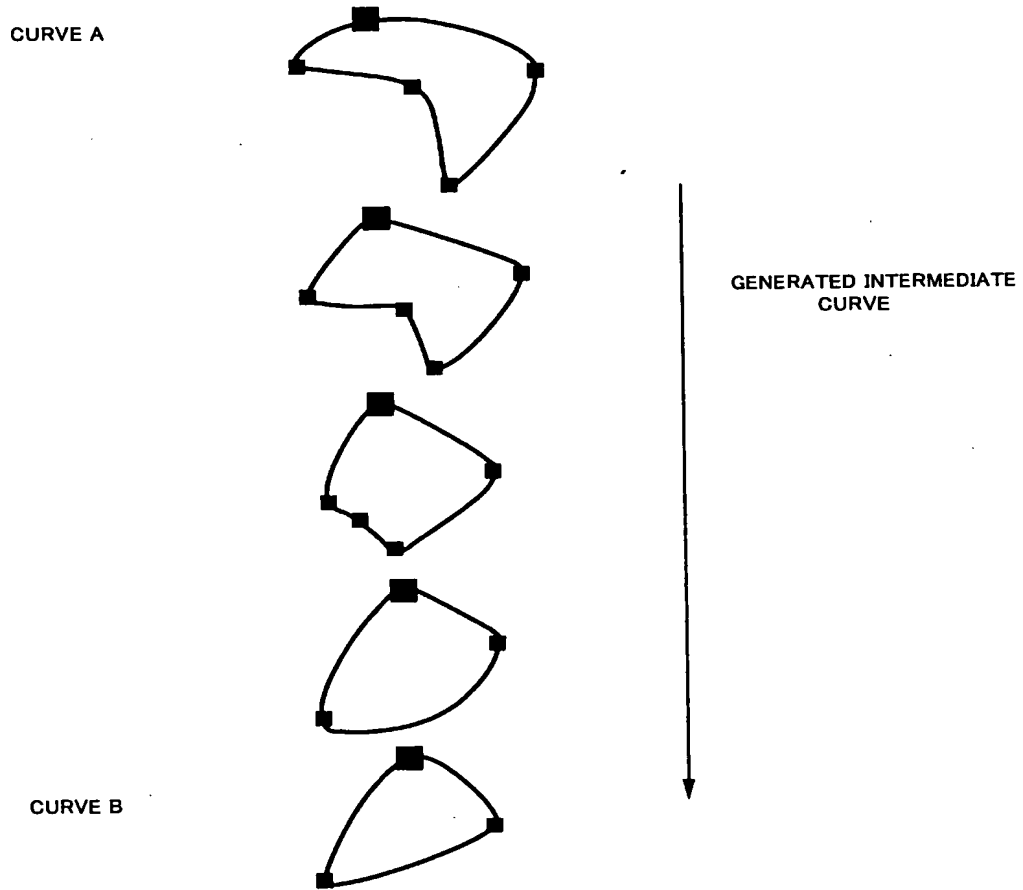
[FIG. 4]



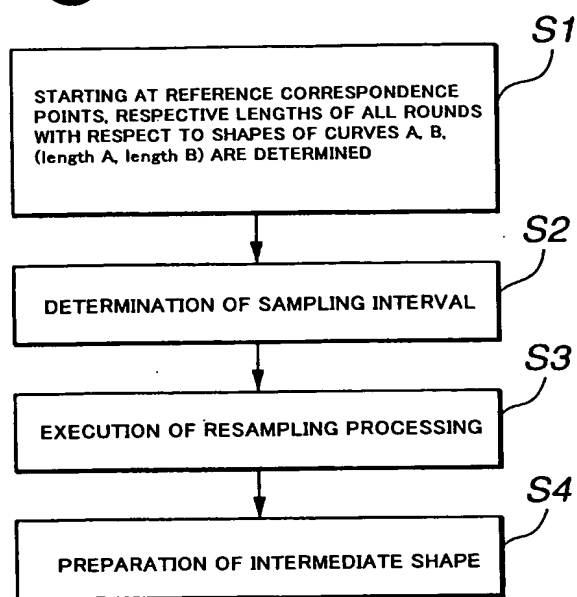
[FIG. 5]



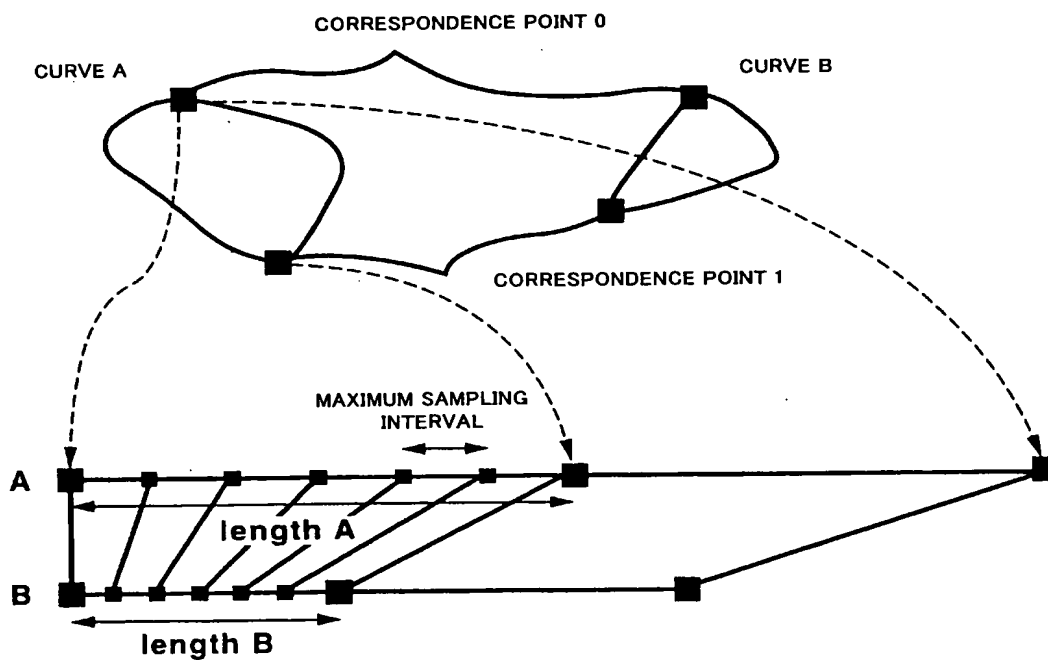
[FIG. 6]



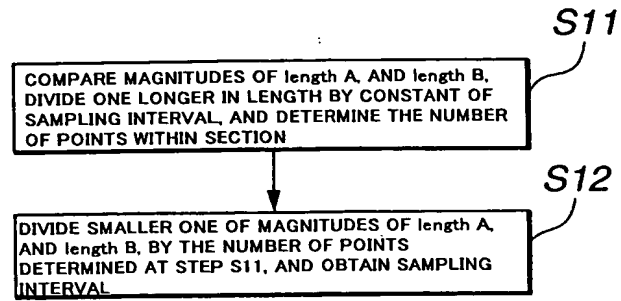
[FIG. 7]



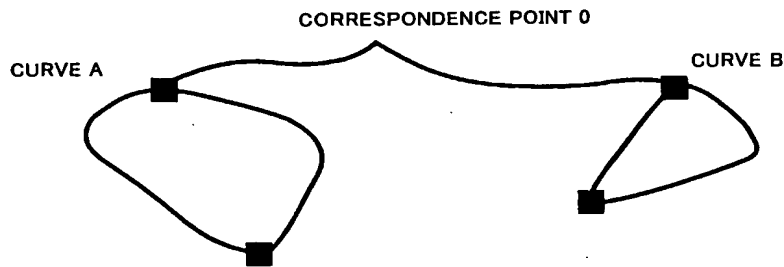
[FIG. 8]



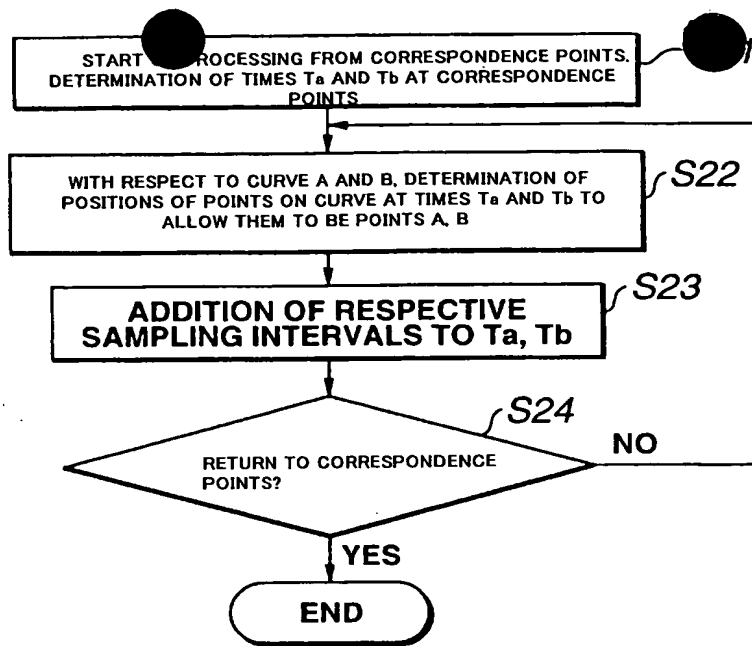
[FIG. 9]



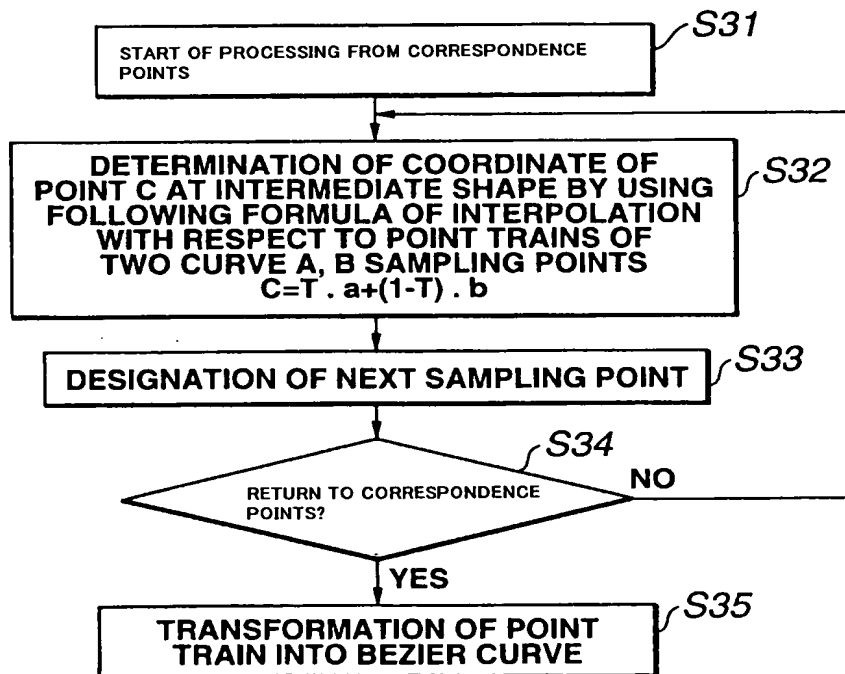
[FIG. 10]



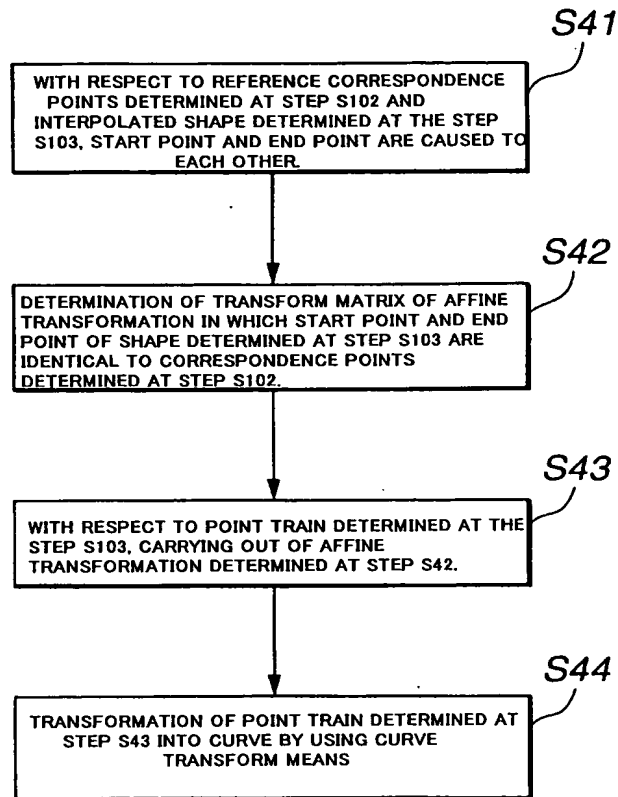
[FIG. 11]



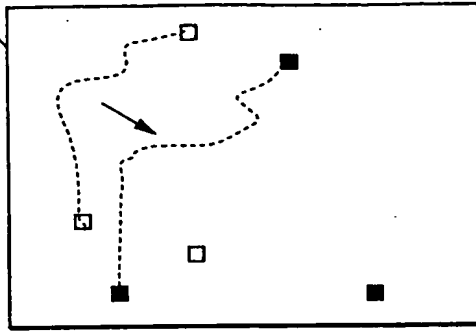
[FIG. 12]



[FIG. 13]

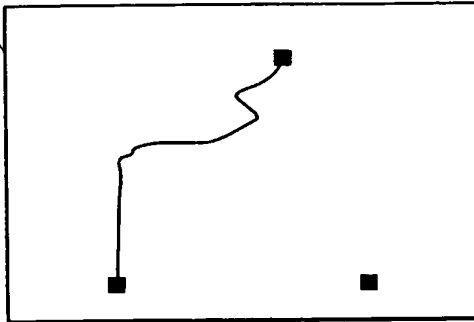


S43



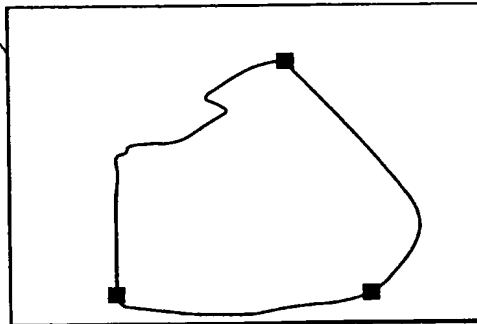
TRANSFORMING WITH RESPECT TO POINT TRAIN
CONSTITUTING INTERMEDIATE SHAPE AS WELL

S44



TRANSFORMING INTO BEZIER CURVE

END



RESULT OF TRANSFORMING WITH RESPECT TO
ALL SECTIONS

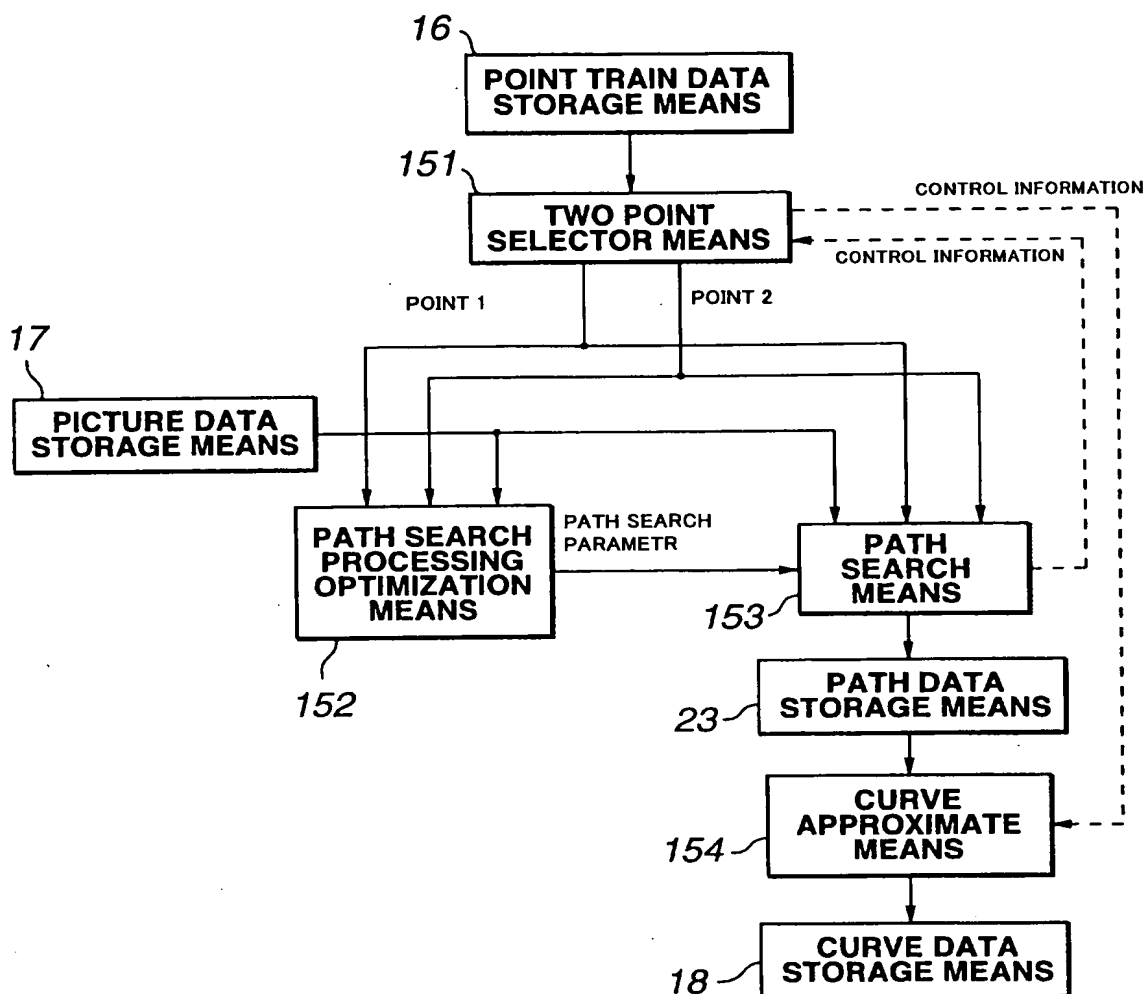
-S101

-S102

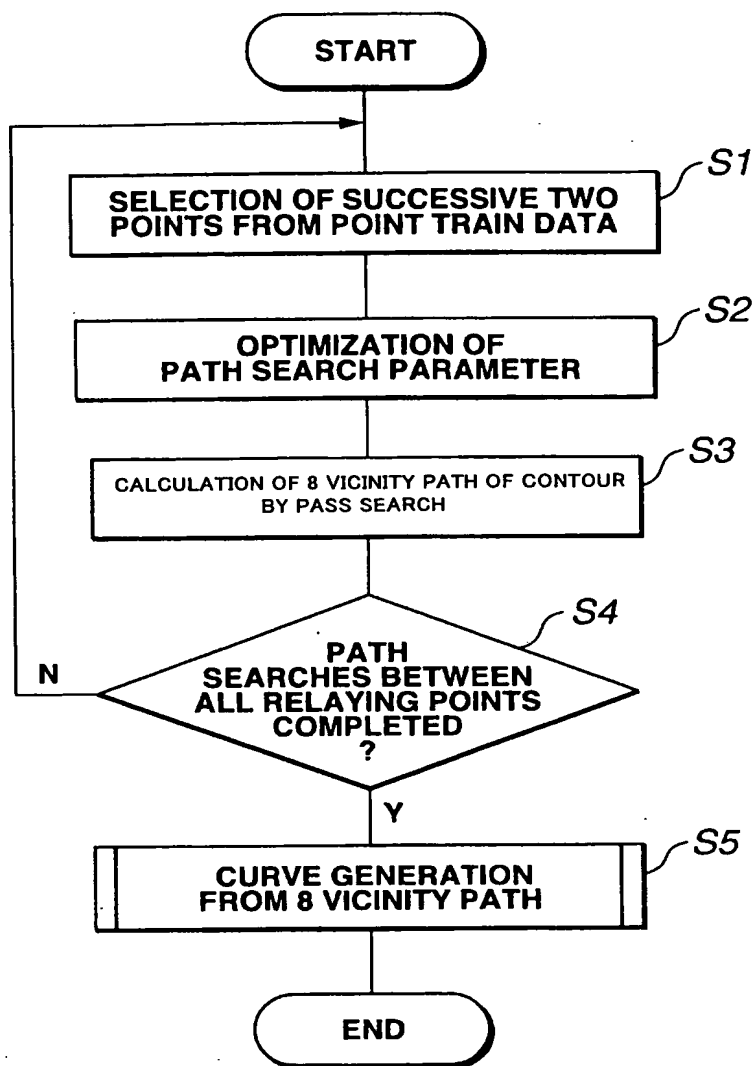
-S105

[illegible]

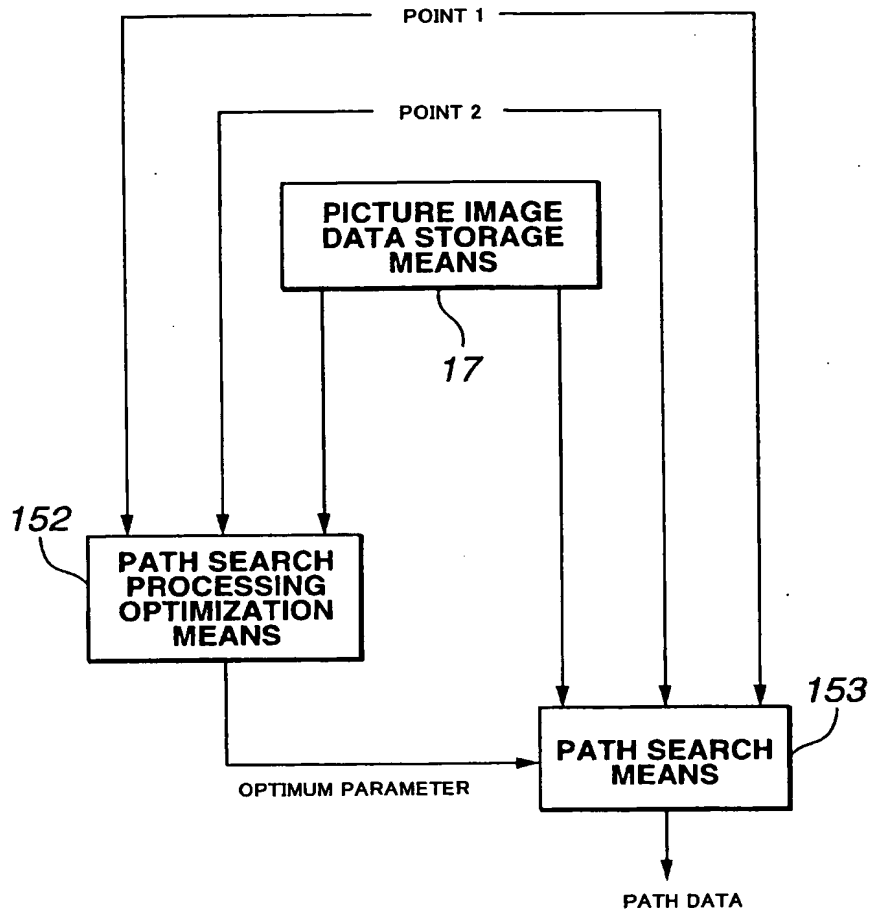
[FIG. 17]



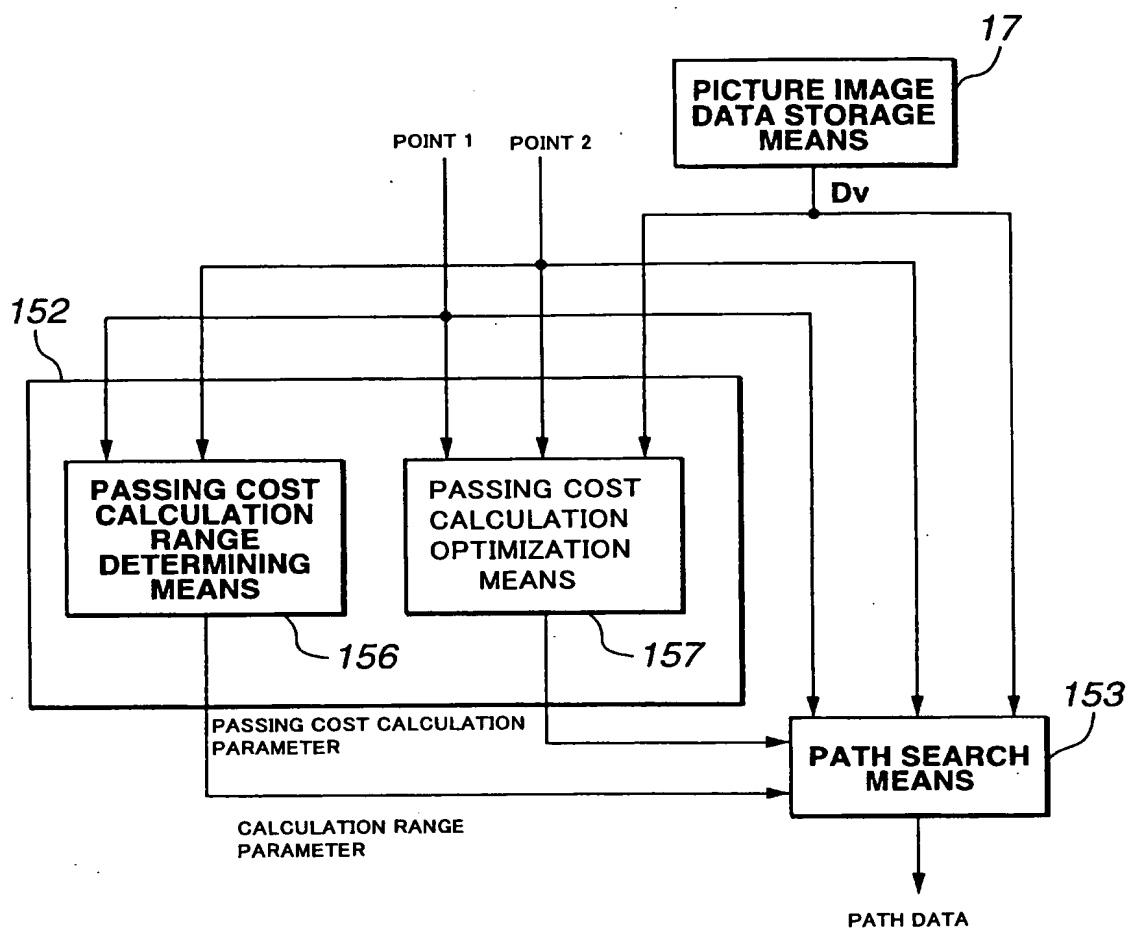
[FIG. 18]



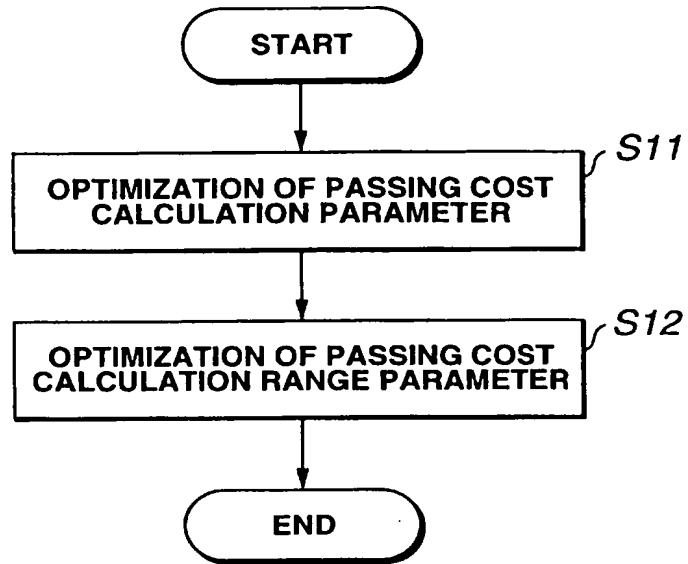
[FIG. 19]



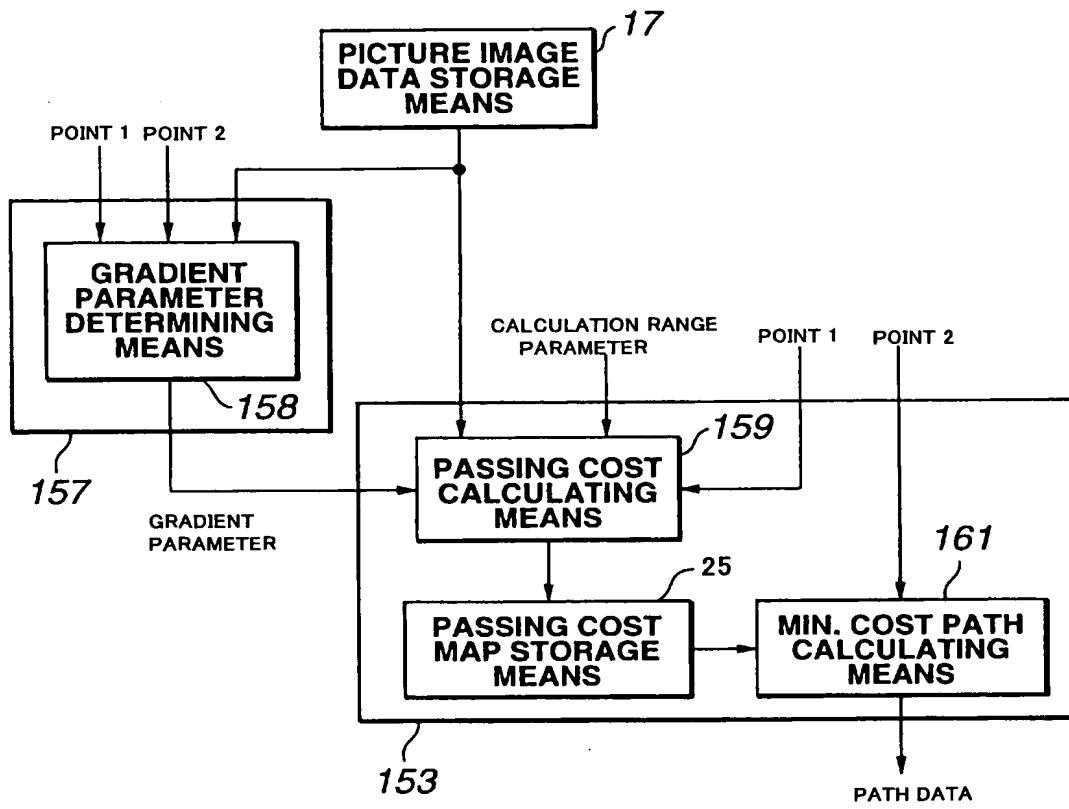
[FIG. 20]



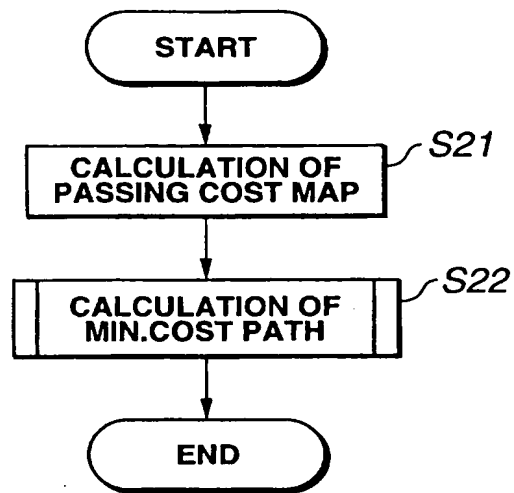
[FIG. 21]



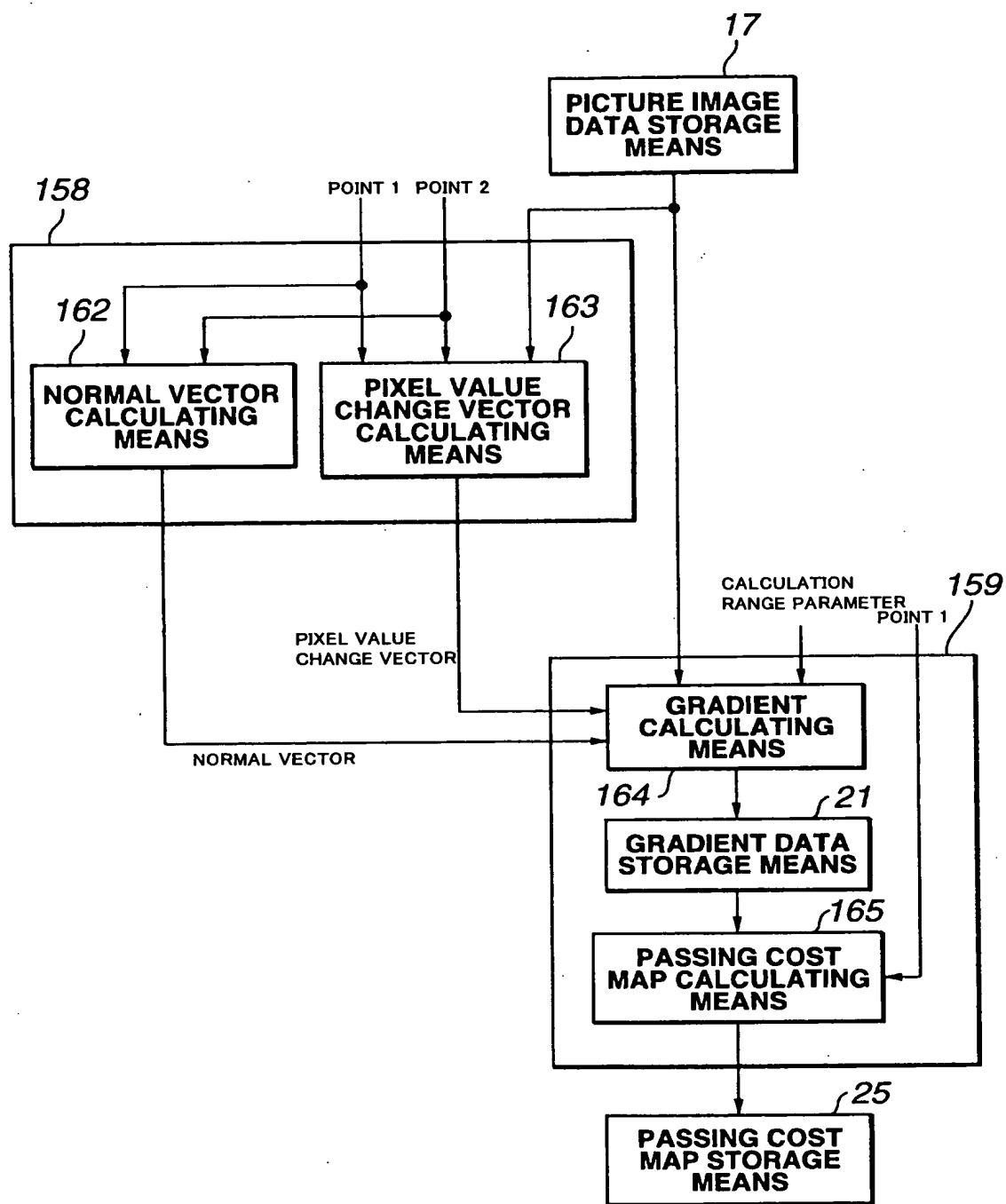
[FIG. 22]



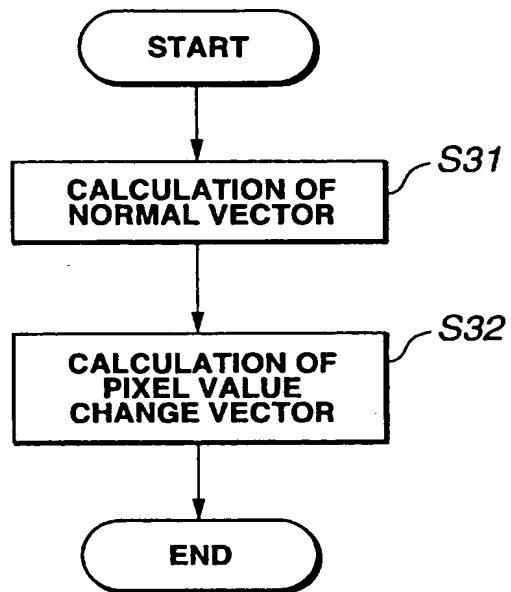
[FIG. 23]



[FIG. 24]



[FIG. 25]



(A)



(B)



The Live-Wire 2-D dynamic programming (DP) graph search algorithm is as follows:

Algorithm: Live-Wire 2-D DP graph search.

Input:

s {Start(or seed) pixel.}
 $l(q,r)$ {Local cost function for link between pixels q and r.}

Data Structures:

L {List of active pixels sorted by total cost (Initially empty).}
 $N(q)$ {Neighborhood set of q (contains 8 neighbors of pixel).}
 $e(q)$ {Boolean function Indicating if q has been expanded/processed.}
 $g(q)$ {Total cost function from seed point to q.}

Output:

p {Pointers from each pixel indicating the minimum cost path.}

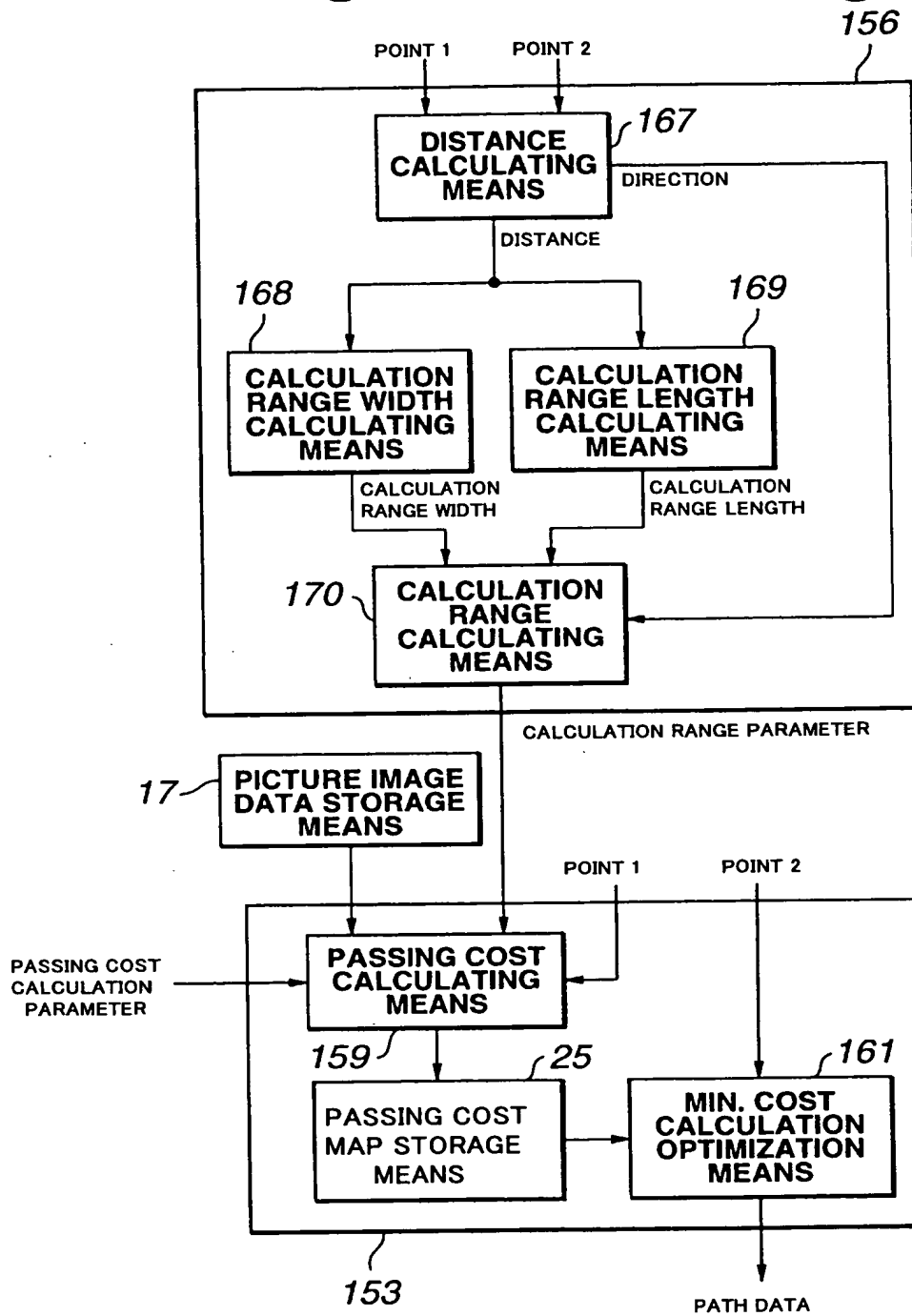
Algorithm:

```

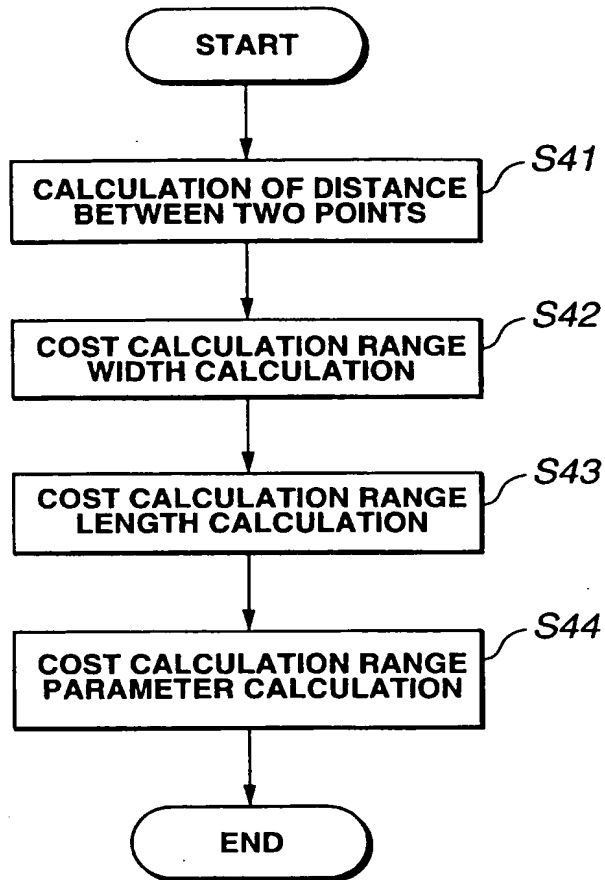
g(s)=0; L=s; {Initialize active list with zero cost seed pixel.}
while L!=NULL do begin {While still points to expand:}
  q=min(L) {Remove minimum cost pixel q from active list.}
  e(q)=TRUE; {Mark q as expanded(i.e.,processed).}
  for each r∈N(q) such that not e(r) do begin
    gtmp=g(q)+l(q,r); {Compute total cost to neighbor.}
    if r∈L and gtmp < g(r) then {Remove higher cost neighbor's}
      r=L; { from list}
    if !(r∈L) then begin {If neighbor not on list,}
      g(r)=gtmp; { assign neighbor's total cost,}
      p(r)=q; { set (or reset) back pointer,}
      L=r; { and place on (or return to)}
    end { active list.}
  end
end
end

```

[FIG. 28]

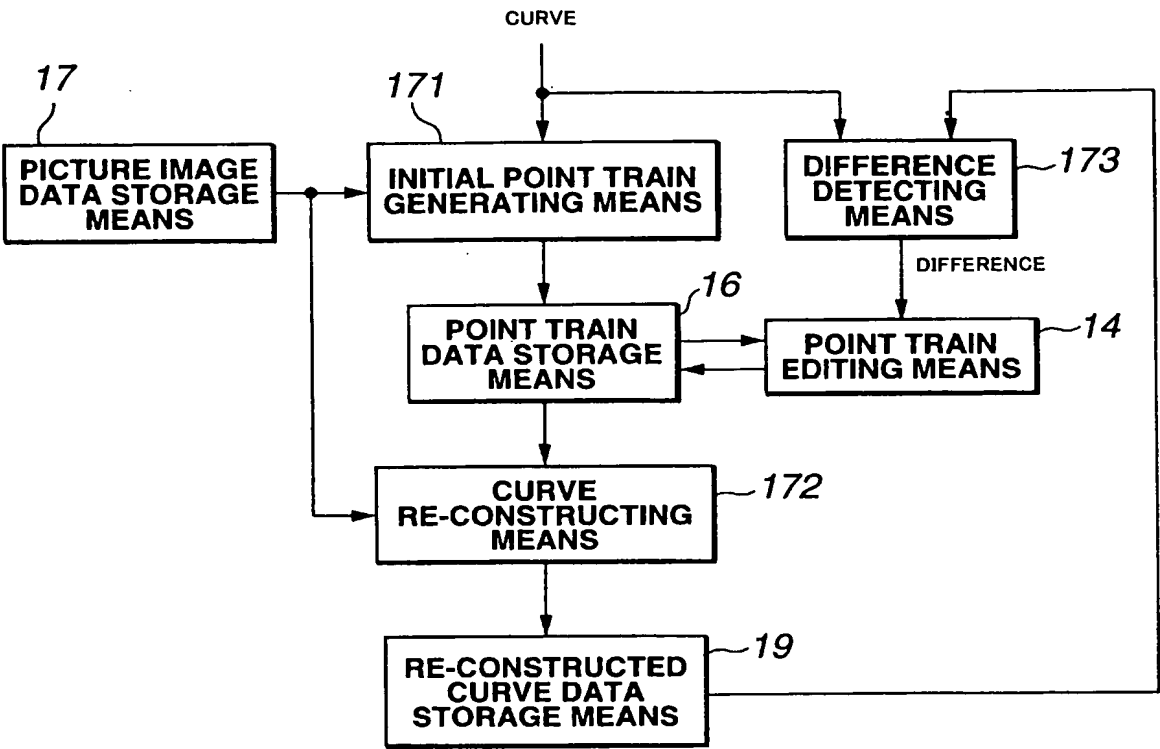


[FIG. 29]

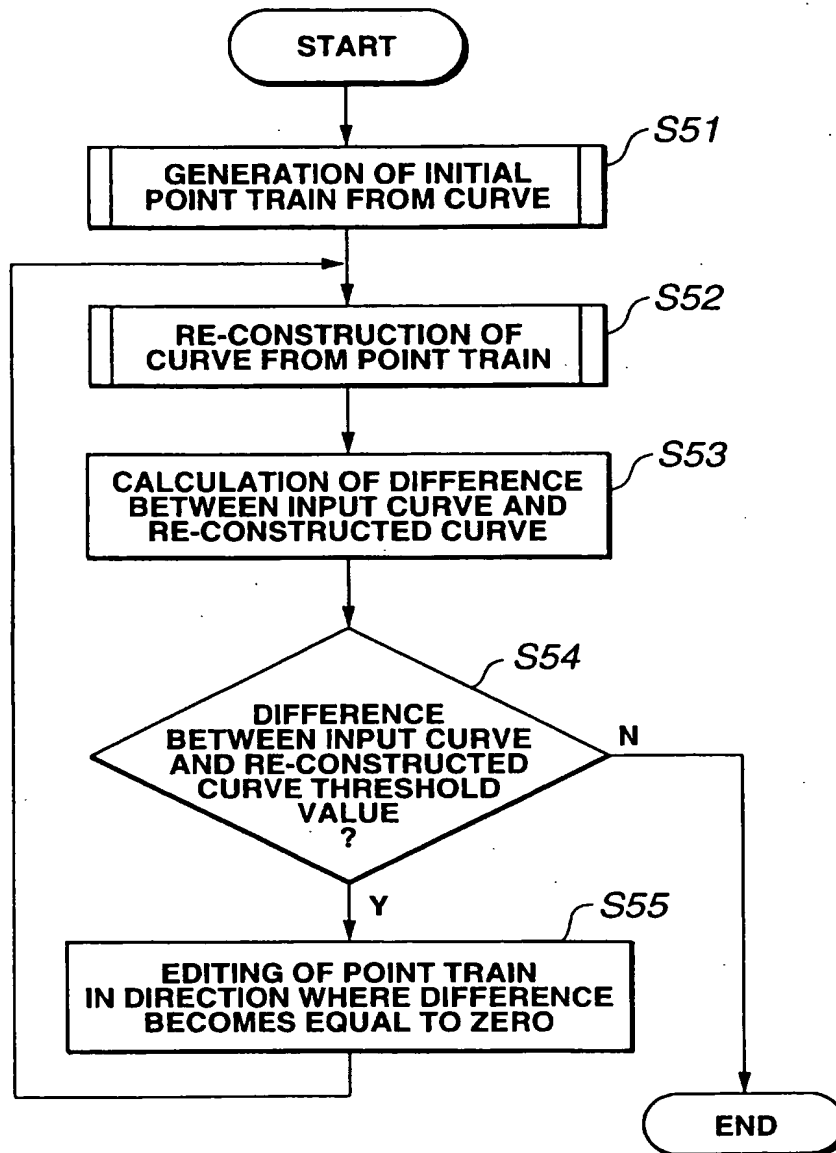


2025-03-25 14:22:25

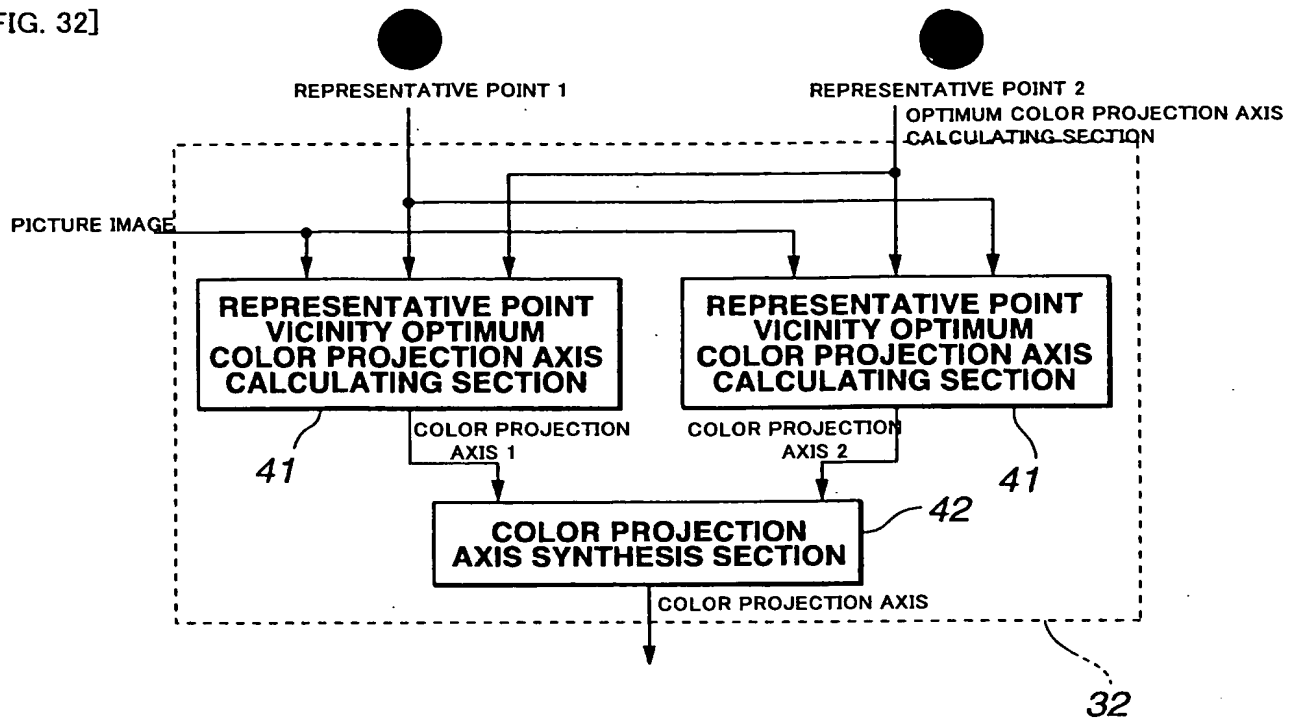
[FIG. 30]



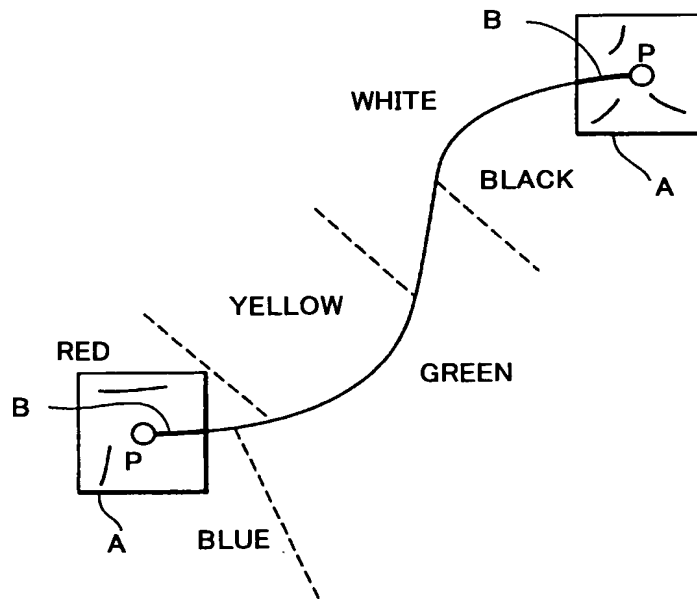
[FIG. 31]

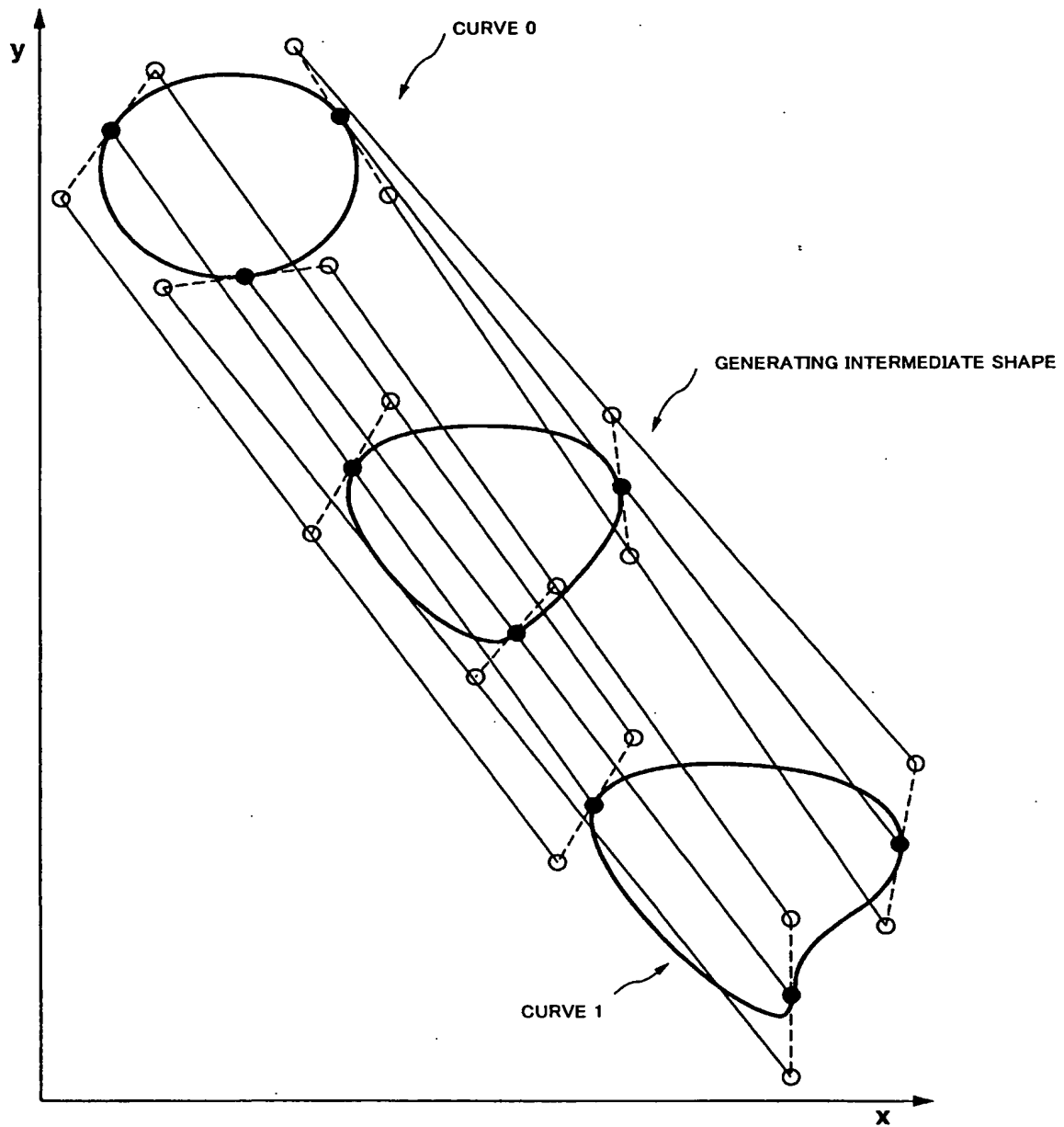


[FIG. 32]



[FIG. 33]





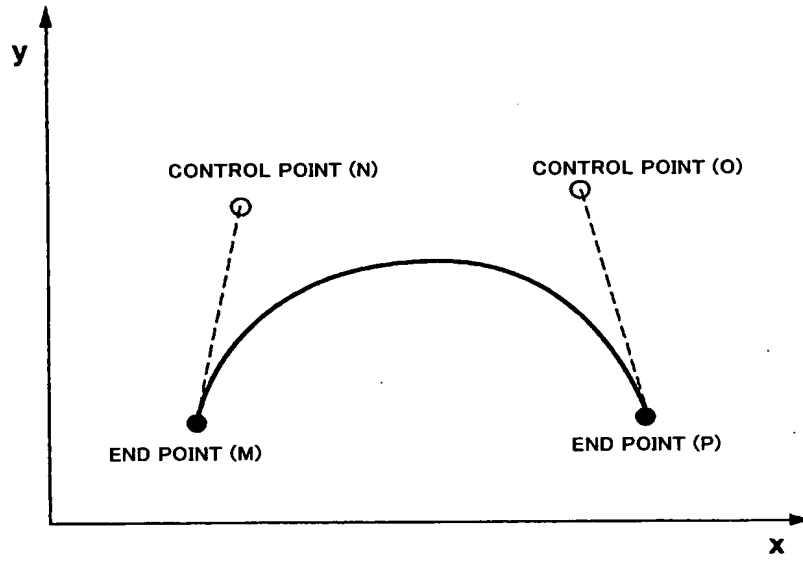
CURVE 0

GENERATING INTERMEDIATE SHAPE

CURVE 1

x

[FIG. 36]



[FIG. 37]

